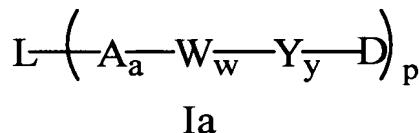


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims

1. (Original) A compound of the Formula Ia:



or a pharmaceutically acceptable salt or solvate thereof
wherein,

L- is a Ligand unit;

-A- is a Stretcher unit;

a is 0 or 1;

each -W- is independently an Amino Acid unit;

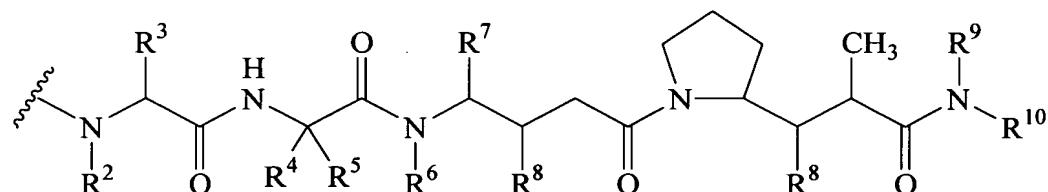
-Y- is a Spacer unit;

w is an integer ranging from 0 to 12;

y is 0, 1 or 2;

p ranges from 1 to about 20; and

-D is a Drug unit of the formula



wherein, independently at each location:

R² is selected from -H and -C₁-C₈ alkyl;

R³ is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkyl), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle);

R⁴ is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkyl), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈

heterocycle) wherein R⁵ is selected from -H and -methyl; or R⁴ and R⁵ join, have the formula -(CR^aR^b)_n- wherein R^a and R^b are independently selected from -H, -C₁-C₈ alkyl and -C₃-C₈ carbocycle and n is selected from 2, 3, 4, 5 and 6, and form a ring with the carbon atom to which they are attached;

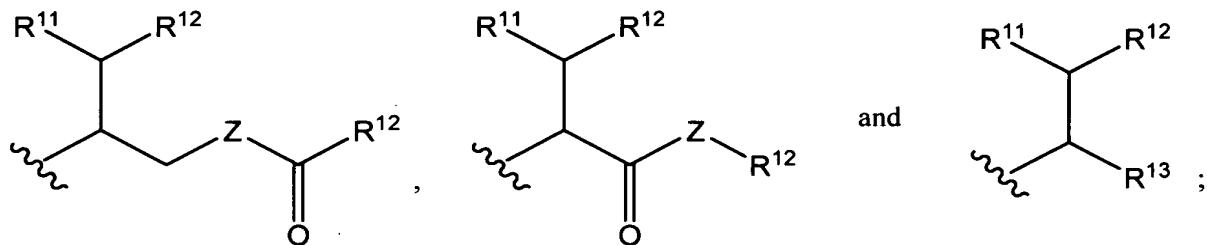
R⁶ is selected from -H and -C₁-C₈ alkyl;

R⁷ is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkyl), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle);

each R⁸ is independently selected from -H, -OH, -C₁-C₈ alkyl, -C₃-C₈ carbocycle and -O-(C₁-C₈ alkyl);

R⁹ is selected from -H and -C₁-C₈ alkyl;

R¹⁰ is selected from



Z is -O-, -S-, -NH- or -N(R¹⁴)-;

R¹¹ is selected from -H, -OH, -NH₂, -NHR¹⁴, -N(R¹⁴)₂, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkyl), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle); or R¹¹ is an oxygen atom which forms a carbonyl unit (C=O) with the carbon atom to which it is attached and a hydrogen atom on this carbon atom is replaced by one of the bonds in the (C=O) double bond;

each R¹² is independently selected from -aryl and -C₃-C₈ heterocycle;

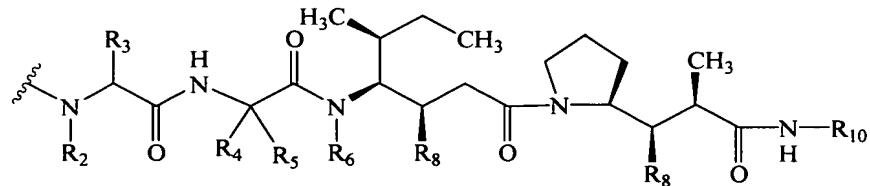
R¹³ is selected from -H, -OH, -NH₂, -NHR¹⁴, -N(R¹⁴)₂, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkyl), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle); and

Each R¹⁴ is independently -H or -C₁-C₈ alkyl.

2. (Original) The compound of claim 1 wherein w is an integer ranging from 2 to 12.

3-6. (Canceled)

7. (Original) A compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -D is a Drug unit having the structure



or a pharmaceutically acceptable salt or solvate thereof,

wherein, independently at each location:

R² is selected from -H and -methyl;

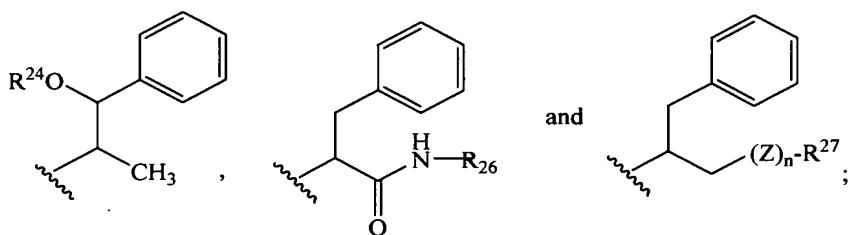
R³ is selected from -H, -methyl, and -isopropyl;

R⁴ is selected from -H and -methyl; R⁵ is selected from -isopropyl, -isobutyl, -sec-butyl, -methyl and -t-butyl or R⁴ and R⁵ join, have the formula -(CR^aR^b)_n- where R^a and R^b are independently selected from -H, -C₁-C₈ alkyl, and -C₃-C₈ carbocycle, and n is selected from 2, 3, 4, 5 and 6, and form a ring with the carbon atom to which they are attached;

R⁶ is selected from -H and -methyl;

each R⁸ is independently selected from -OH, -methoxy and -ethoxy;

R¹⁰ is selected from



R²⁴ is selected from H and -C(O)R²⁵; wherein R²⁵ is selected from -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle);

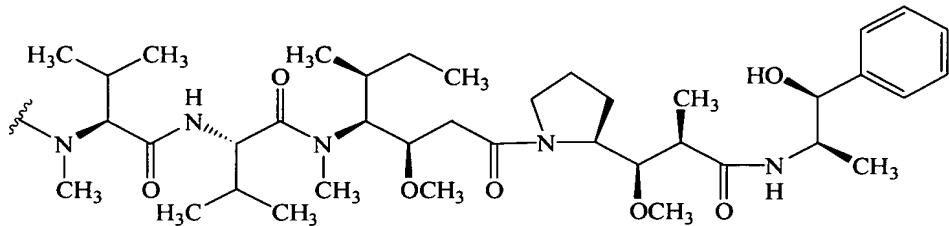
Z is -O-, -NH-, -OC(O)-, -NHC(O)-, -NR²⁸C(O)-; where R²⁸ is selected from -H and -C₁-C₈ alkyl;

n is 0 or 1; and

R^{27} is selected from -H, -N₃, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle) when n is 0; and R^{27} is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle) when n is 1.

8. (Canceled)

9. (Original) A compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -D is a Drug unit having the structure



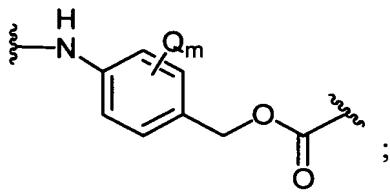
10-16. (Canceled)

17. (Previously Presented) A compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where the Ligand unit is an antibody unit.

18. (Original) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 17 where the antibody unit is a monoclonal antibody unit.

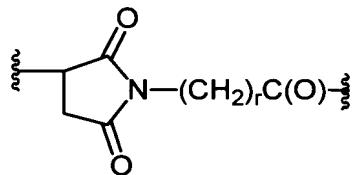
19. (Original) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 18 where the monoclonal antibody unit is cBR96, cAC10 or 1F6.

20. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -Y_y- is



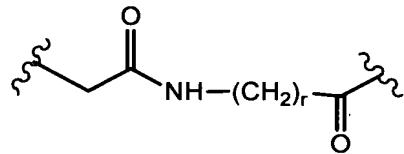
Q is selected from -C₁-C₈ alkyl, -O-(C₁-C₈ alkyl), -halogen, -nitro and -cyano; and m is an integer ranging from 0-4, the amino terminus of -Y_y- forming a bond with a Amino acid unit and the carboxyl terminus of -Y_y- forming a bond with an Drug unit.

21. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -A- is



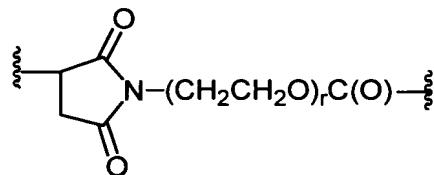
and r is an integer ranging from 1-10, the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the succinimido terminus of -A- forming a bond with a Ligand unit.

22. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -A- is



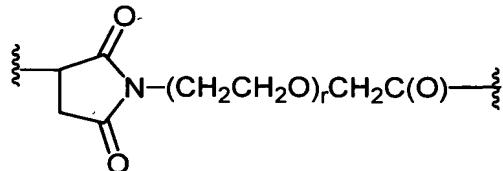
and r is an integer ranging from 1-10, the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the amidomethyl terminus of -A- forming a bond with a Ligand unit.

23. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -A- is



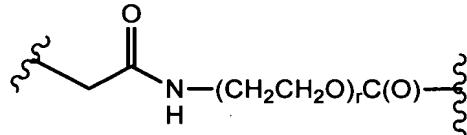
and r is an integer ranging from 1-10, the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the succinimido terminus of -A- forming a bond with a Ligand unit.

24. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -A- is



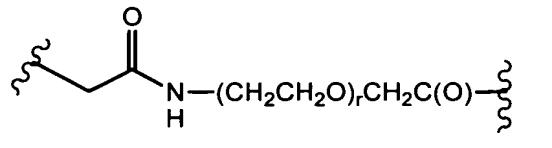
and r is an integer ranging from 1-10, the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the succinimido terminus of -A- forming a bond with a Ligand unit.

25. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -A- is



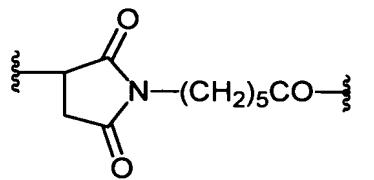
and r is an integer ranging from 1-10, the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the amidomethyl terminus of -A- forming a bond with a Ligand unit.

26. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -A- is



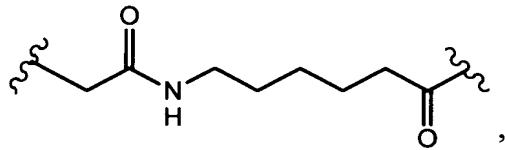
the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the amidomethyl terminus of -A- forming a bond with a Ligand unit.

27. (Original) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 21 where -A- is



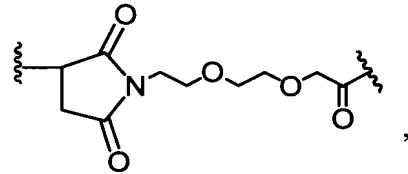
the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the succinimido terminus of -A- forming a bond with a Ligand unit.

28. (Original) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 22 where -A- is



the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the amidomethyl terminus of -A- forming a bond with a Ligand unit.

29. (Original) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 24 where -A- is



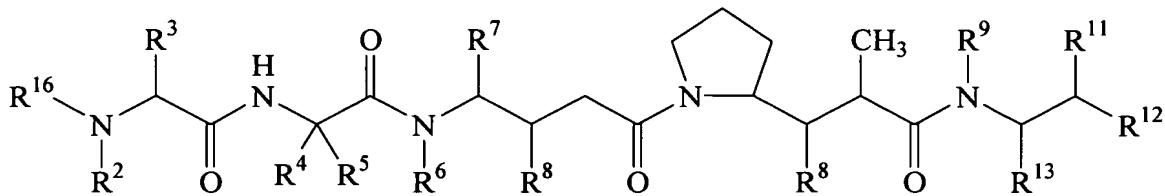
the carbonyl terminus of -A- forming a bond with an Amino Acid unit and the succinimido terminus of -A- forming a bond with a Ligand unit.

30. (Previously Presented) The compound or a pharmaceutically acceptable salt or solvate of the compound of claim 1 where -Ww- is -Phenylalanine-Lysine- or-valine-citrulline-, the amino terminus of -Ww- forming a bond with a Stretcher unit when a is 1 or with a Ligand unit if a is 0, and the C- terminus of -Ww- forming a bond with a Spacer unit when y is 1 or 2, and with a Drug unit when y is 0.

31-43. (Canceled)

44. (Previously Presented)

A compound of the formula



or a pharmaceutically acceptable salt or solvate thereof

wherein, independently at each location:

R² is selected from -H and -C₁-C₈ alkyl;

R³ is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkoxy), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle);

R⁴ is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkoxy), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle) wherein R⁵ is selected from -H and -methyl; or R⁴ and R⁵ join, have the formula -(CR^aR^b)_n where R^a and R^b are independently selected from -H, -C₁-C₈ alkyl and -C₃-C₈ carbocycle and n is selected from 2, 3, 4, 5 and 6, and form a ring with the carbon atom to which they are attached;

R⁶ is selected from -H and -C₁-C₈ alkyl;

R⁷ is selected from -H, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkoxy), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle);

each R⁸ is independently selected from -H, -OH, -C₁-C₈ alkyl, -C₃-C₈ carbocycle and -O-(C₁-C₈ alkoxy);

R⁹ is selected from -H and -C₁-C₈ alkyl;

R¹¹ is selected from -H, -OH, -NH₂, -NHR¹⁴, -N(R¹⁴)₂, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkyl), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle); or R¹¹ is an oxygen atom which forms a carbonyl unit (C=O) with the carbon atom to which it is attached and a hydrogen atom on this carbon atom is replaced by one of the bonds in the (C=O) double bond;

each R¹² is independently selected from -aryl and -C₃-C₈ heterocycle;

R^{13} is selected from -H, -OH, -NH₂, -NHR¹⁴, -N(R¹⁴)₂, -C₁-C₈ alkyl, -C₃-C₈ carbocycle, -O-(C₁-C₈ alkoxy), -aryl, -C₁-C₈ alkyl-aryl, -C₁-C₈ alkyl-(C₃-C₈ carbocycle), -C₃-C₈ heterocycle and -C₁-C₈ alkyl-(C₃-C₈ heterocycle);

each R^{14} is independently -H or -C₁-C₈ alkyl;

R^{16} is $A'_{\alpha}-W_w-Y_y-$

wherein

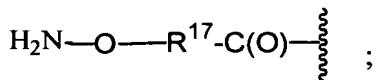
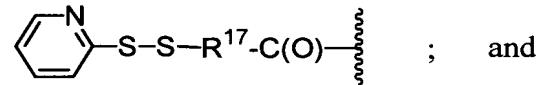
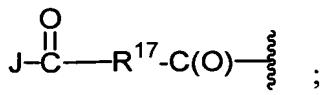
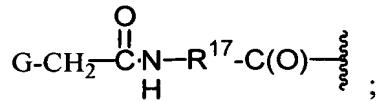
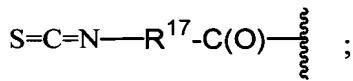
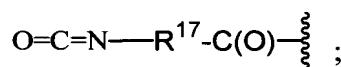
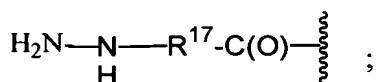
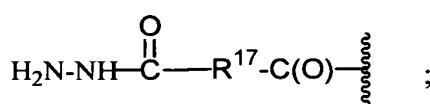
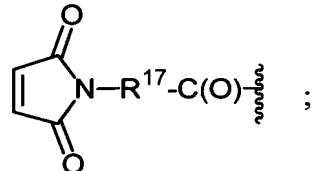
each $-W-$ is independently an Amino Acid unit;

$-Y-$ is a Spacer unit;

w is an integer ranging from 0 to 12;

y is 0, 1 or 2; and

$-A'$ is selected from



wherein

G is selected from -Cl, -Br, -I, -O-mesyl and -O-tosyl;

J is selected from -Cl, -Br, -I, -F, -OH, -O-N-succinimide, -O-(4-nitrophenyl), -O-pentafluorophenyl, -O-tetrafluorophenyl and -O-C(O)-OR¹⁸;

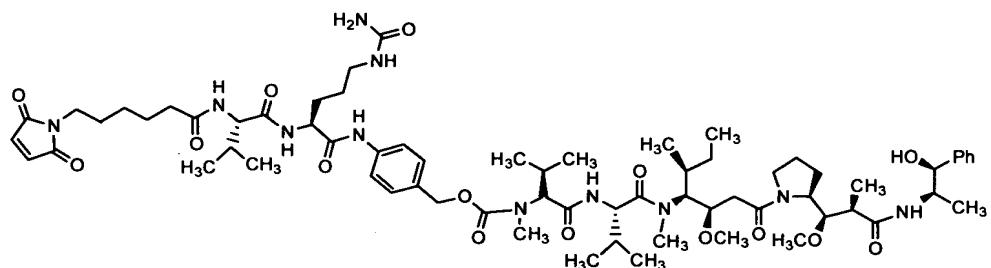
a is 0 or 1;

R¹⁷ is selected from -C₁-C₁₀ alkylene-, -C₃-C₈ carbocyclo-, -O-(C₁-C₈ alkoxy)-, -arylene-, -C₁-C₁₀ alkylene-arylene-, -arylene-C₁-C₁₀ alkylene-, -C₁-C₁₀ alkylene-(C₃-C₈ carbocyclo)-, -(C₃-C₈ carbocyclo)-C₁-C₁₀ alkylene-, -C₃-C₈ heterocyclo-, -C₁-C₁₀ alkylene-(C₃-C₈ heterocyclo)-, -(C₃-C₈ heterocyclo)-C₁-C₁₀ alkylene-, -(CH₂CH₂O)_r-, and -(CH₂CH₂O)_r-CH₂-;

r is an integer ranging from 1-10; and

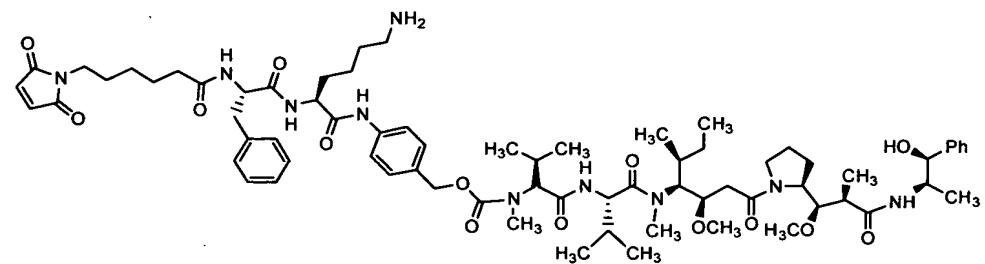
R¹⁸ is -C₁-C₈ alkyl or -aryl.

45. (Original) The compound of claim 44 having the structure



or a pharmaceutically acceptable salt or solvate thereof.

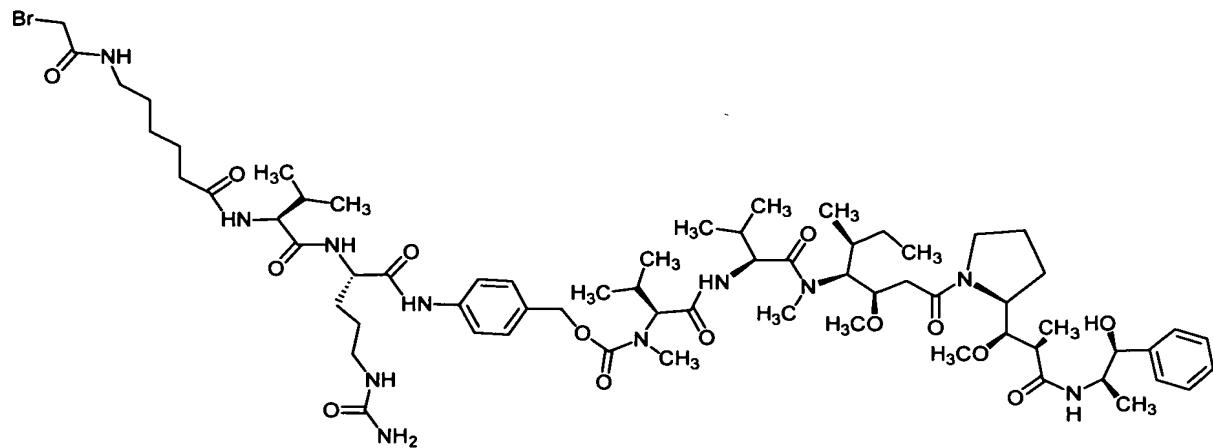
46. (Original) The compound of claim 44 having the structure



or a pharmaceutically acceptable salt or solvate thereof.

47. (Canceled)

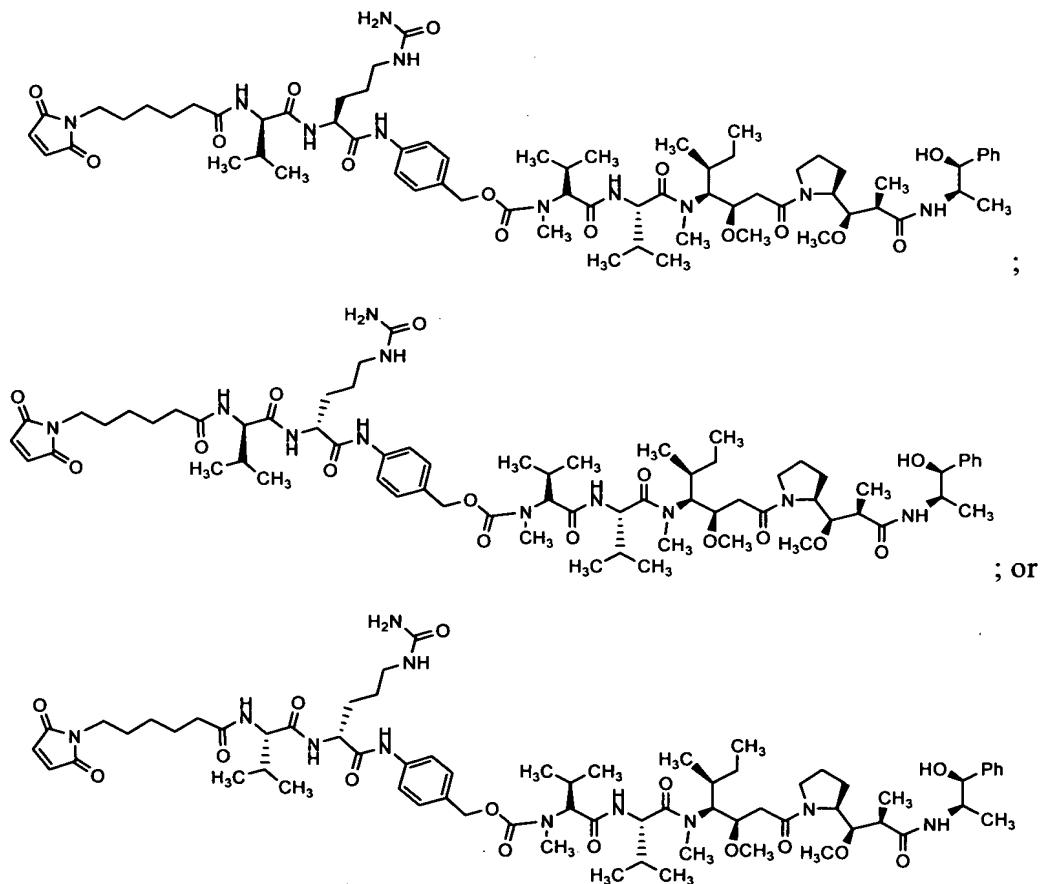
48. (Original) The compound of claim 44 having the structure



or a pharmaceutically acceptable salt or solvate thereof.

49. (Previously Presented)

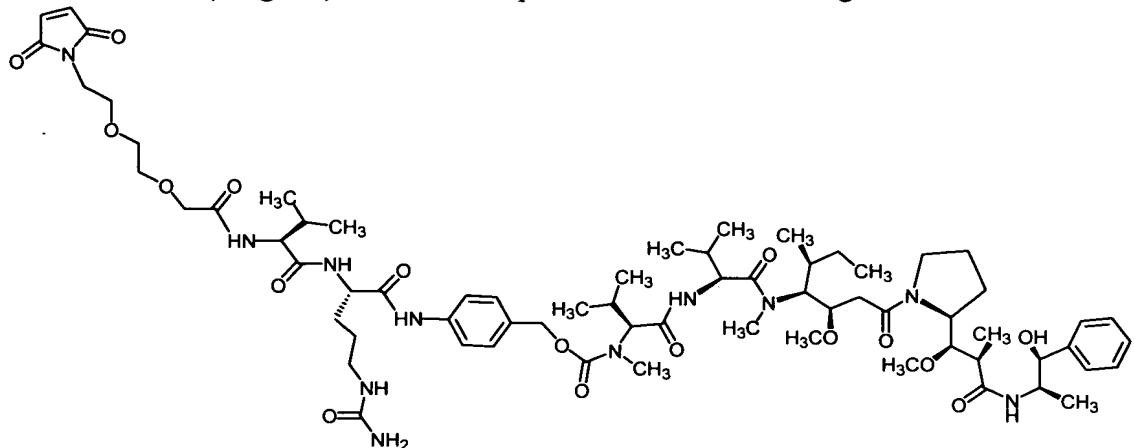
The compound of claim 44 having the structure



or a pharmaceutically acceptable salt or solvate thereof.

50-51. (Canceled)

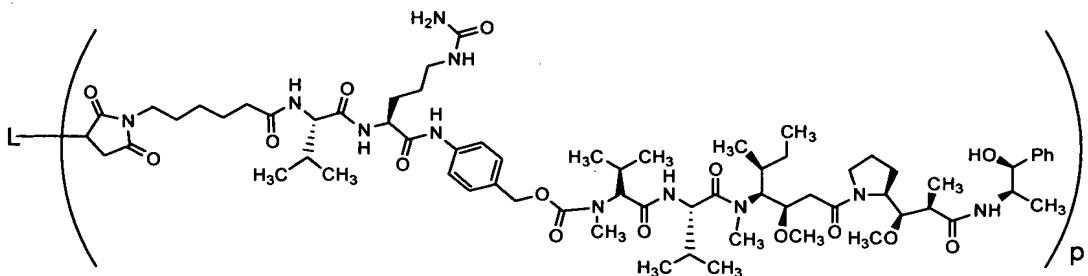
52. (Original) The compound of claim 44 having the structure



or a pharmaceutically acceptable salt or solvate thereof.

53. (Canceled)

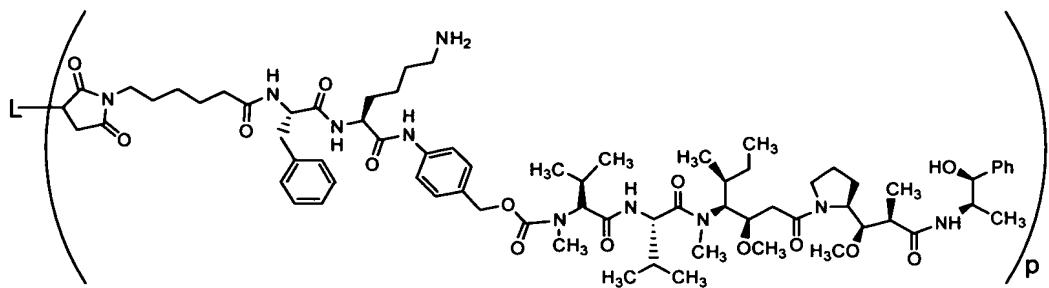
54. (Original) The compound of claim 1 having the structure



where p ranges from 1 to about 20, or a pharmaceutically acceptable salt or solvate thereof.

55. (Canceled)

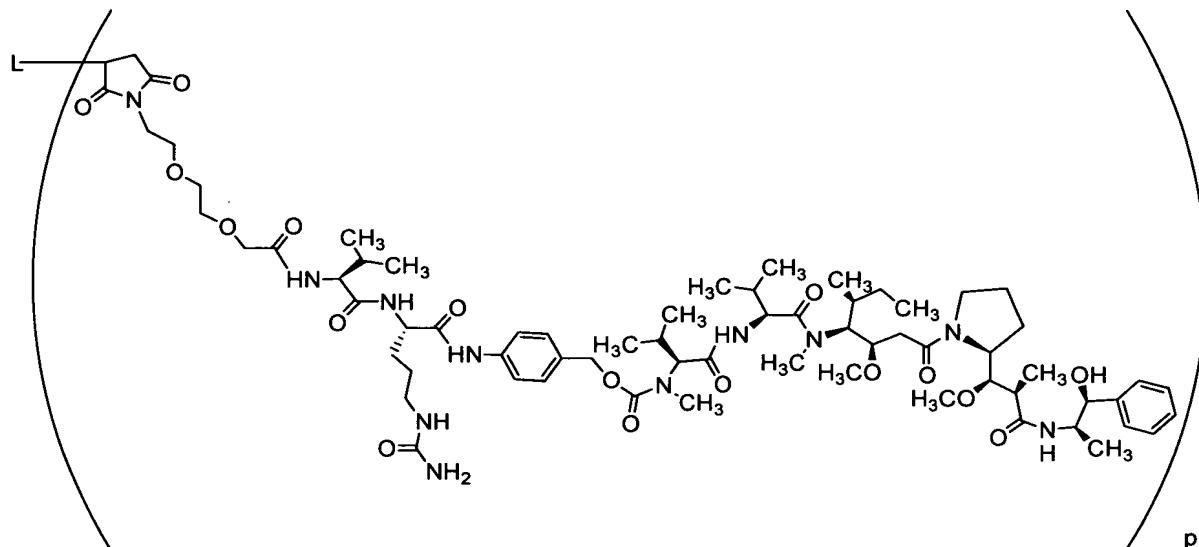
56. (Original) The compound of claim 1 having the structure



where p ranges from 1 to about 20, or a pharmaceutically acceptable salt or solvate thereof.

57-58. (Canceled)

59. (Original) The compound of claim 1 having the structure

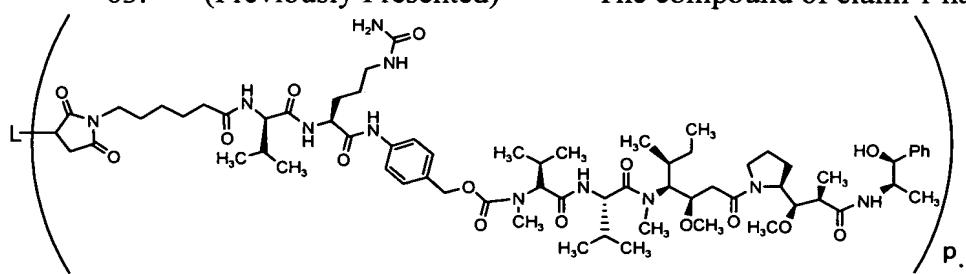


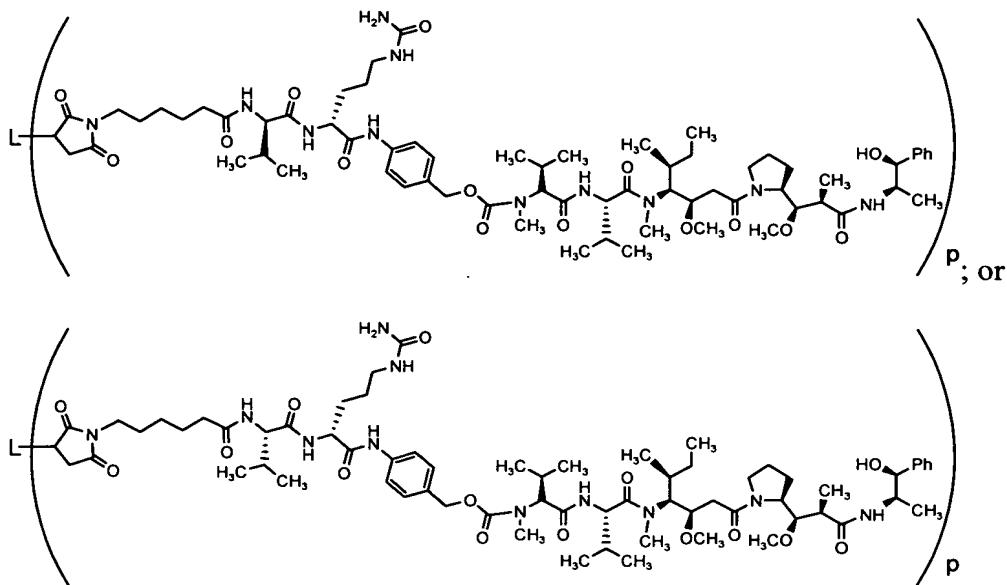
where p ranges from 1 to about 20, or a pharmaceutically acceptable salt or solvate thereof.

60-62. (Canceled)

63. (Previously Presented)

The compound of claim 1 having the structure



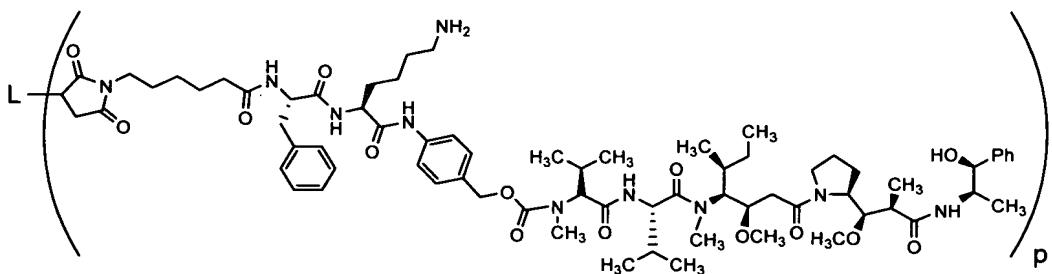


64-65. (Canceled)

66. (Previously Presented) The compound of any one of claims 54, 56, 59 or 63 where p ranges from about 7 to about 9, from about 3 to about 5, or about 1 to about 3.

67-76. (Canceled)

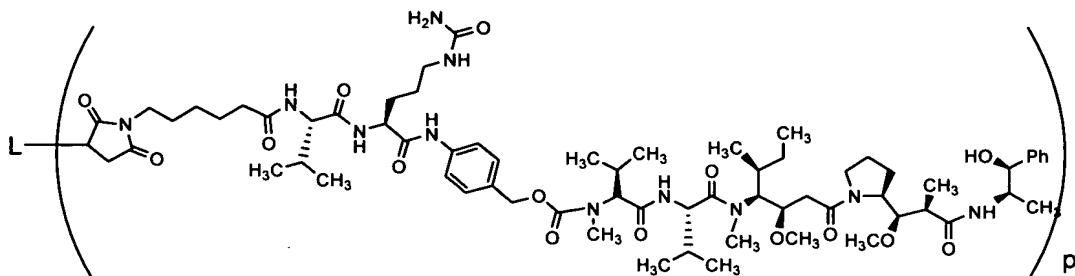
77. (Previously Presented) The compound of claim 1 having the formula



or a pharmaceutically acceptable salt or solvate thereof,
where p ranges from about 7 to about 9, from about 3 to about 5, or about 1 to about 3,
wherein L is cBR96, cAC10, an anti-CD40 antibody or an anti-CD20 antibody.

78. (Canceled)

79. (Previously Presented) The compound of claim 1 having the formula



or a pharmaceutically acceptable salt or solvate thereof,

where p ranges from about 7 to about 9, from about 3 to about 5, or about 1 to about 3,

wherein L is cBR96, cAC10, an anti-CD40 antibody or an anti-CD20 antibody.

80-99. (Canceled)

100. (Previously Presented) The compound of claim 79 wherein L is rituximab.

101. (Canceled)

102. (Previously Presented) The compound of claim 77 or 79 wherein L is S2C6.

103. (Canceled)

104. (Previously Presented) The compound of claim 77 wherein L is rituximab.

105-110. (Canceled)

111. (Currently Amended) A composition comprising an effective amount of a compound or a pharmaceutically acceptable salt or solvate thereof of any one of claims 1, 44, 77, 79, 99, 100, ~~102~~ or 104 and a pharmaceutically acceptable carrier or vehicle.

112. (Currently Amended) A method for killing or inhibiting the multiplication of a tumor cell or cancer cell comprising administering to an animal in need thereof a therapeutically effective amount of a compound or a pharmaceutically acceptable salt or solvate thereof of any one of claims 1, 44, 77, 79, 99, 100, ~~102~~ or 104.

113. (Currently Amended) A method for treating cancer, comprising administering to an animal in need thereof an effective amount of a compound or a pharmaceutically acceptable salt or solvate of the compound of any one of claims 1, 44, 77, 79, 99, 100, ~~102~~ or 104.

114. (Currently Amended) A method for treating an autoimmune disease, comprising administering to an animal in need thereof an effective amount of a compound or a pharmaceutically acceptable salt or solvate of the compound of any one of claims 1, 44, 77, 79, 99, 100, ~~102~~ or 104.

115. (Currently Amended) A method for treating an infectious disease, comprising administering to an animal in need thereof an effective amount of a compound or a pharmaceutically acceptable salt or solvate of the compound of any one of claims 1, 44, 77, 79, 99, 100, ~~102~~ or 104.

116. (Original) The method of claim 113 further comprising administering to the animal an effective amount of an anticancer agent.

117. (Original) The method of claim 114 further comprising administering to the animal an effective amount of an immunosuppressant agent.

118. (Original) The method of claim 115 further comprising administering to the animal an effective amount of an anti-infectious agent.

119. (Currently Amended) The compound or a pharmaceutically acceptable salt or solvate thereof of any one of claims 1, 44, 77, 79, 99, 100, ~~102~~ or 104, in an isolated or a purified form.